

**CLAIMS:**

1. (Original) A water-soluble composition, comprising a solubilizing agent selected from the group consisting of polyoxyethanyl-sitosterol sebacate, polyoxyethanyl-cholesteryl sebacate and polyoxyethanyl- $\alpha$ -tocopheryl sebacate, and a compound selected from the group consisting of a compound having a high content of polyunsaturated fatty acids and a bioactive lipophilic compound selected from the group consisting of a terpene and a terpenoid.
2. (Original) A water-soluble composition according to Claim 1, comprising a solubilizing agent selected from the group consisting of polyoxyethanyl-sitosterol sebacate, polyoxyethanyl-cholesteryl sebacate and polyoxyethanyl- $\alpha$ -tocopheryl sebacate, and a compound having a high content of polyunsaturated fatty acids.
3. (Original) A composition according to Claim 2, wherein the compound is an oil, and wherein the solubilizing agent and oil are formulated in a weight ratio of solubilizing agent to oil of 2:1 to 3:1.
4. (Original) A composition according to Claim 3, wherein the oil is selected from the group consists of flaxseed oil and fish oil.
5. (Original) A water-soluble composition according to Claim 1, comprising a solubilizing agent selected from the group consisting of polyoxyethanyl-sitosterol sebacate, polyoxyethanyl-cholesteryl sebacate and polyoxyethanyl- $\alpha$ -tocopheryl sebacate, and a bioactive lipophilic compound selected from the group consisting of a terpene and a terpenoid.
6. (Original) A composition according to Claim 5, wherein the solubilizing agent and bioactive compound are formulated in a weight ratio of solubilizing agent to bioactive compound of 3:1 to 4:1.

7. (Original) A composition according to Claim 6, wherein the bioactive lipophilic compound is selected from the group consisting of squalene, geraniol, farnesol,  $\beta$ -carotene, astaxanthin, canthaxanthin, zeaxanthin, cryptoxanthin, lutein and lycopene.

8. (Original) A composition according to Claim 6, comprising polyoxyethanyl- $\alpha$ -tocopheryl sebacate and squalene, in a weight ratio of polyoxyethanyl- $\alpha$ -tocopheryl sebacate to squalene of 3:1.

9. (Original) A composition according to Claim 6, comprising polyoxyethanyl- $\alpha$ -tocopheryl sebacate and astaxanthin, in a weight ratio of polyoxyethanyl- $\alpha$ -tocopheryl sebacate to astaxanthin of 4:1.

10. (Withdrawn) A method for preparing a water-soluble composition according to Claim 9, comprising:

dissolving solubilizing agent and astaxanthin in a water-miscible organic solvent, in a weight ratio of solubilizing agent to astaxanthin of 4:1 to form a mixture;

diluting the mixture with water to form an aqueous solution;

concentrating the aqueous solution to remove the organic solvent and excess of water;

11. (Withdrawn) A method according to Claim 10, wherein step c) is effected by evaporation under reduced pressure.

12. (Original) A water-soluble composition, comprising a solubilizing agent selected from the group consisting of polyoxyethanyl- $\alpha$ -tocopheryl sebacate and

polyoxyethanyl tocotrienyl sebacate, and a compound selected from the group consisting of a tocotrienol, formulated in a ratio of solubilizing

agent to tocotrienol of about 5.5:1 w/w and coenzyme Q<sub>10</sub>, formulated in a ratio of solubilizing agent to coenzyme Q<sub>10</sub> of 2.5:1 to 3.5:1 w/w .

13. (Original) A water-soluble composition according to Claim 12, comprising a solubilizing agent selected from the group consisting of polyoxyethanyl- $\alpha$ -tocopheryl sebacate and polyoxyethanyl tocotrienyl sebacate, and a tocotrienol, formulated in a ratio of solubilizing agent to tocotrienol of about 5.5:1 w/w.

14. (Original) A composition according to Claim 13, wherein the solubilizing agent is PTS-600.

15. (Original) A composition according to Claim 13, wherein the solubilizing agent is Ptriens-600.

16. (Currently Amended) A water-soluble composition according to Claim 12, comprising a solubilizing agent, ~~selected from the group consisting of polyoxyethanyl- $\alpha$ -tocopheryl sebacate and polyoxyethanyl tocotrienyl sebacate~~, and coenzyme Q<sub>10</sub>, formulated in a ratio of solubilizing agent to coenzyme Q<sub>10</sub> of 2.5:1 to 3.5:1 w/w.

17. (Currently Amended) A composition according to Claim 16, wherein the solubilizing agent is PTS-400, and wherein the ratio of PTS-400 ~~PCS-400~~ to coenzyme Q<sub>10</sub> is 2.5:1 w/w.

18. (Original) A composition according to Claim 16, wherein the solubilizing agent is Ptriens-600, and wherein the ratio of Ptriens-600 to coenzyme Q<sub>10</sub> is 3.5:1 w/w .

19. (Withdrawn) A method for delivery of  $\alpha$ -tocopherol to humans or warm-blooded animals in need thereof, comprising administering to such human or warm-blooded animal, an effective amount of a water-soluble form of vitamin E.

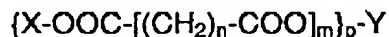
20. (Withdrawn) A method according to Claim 19, wherein the water-soluble form of vitamin E is polyoxyethanyl- $\alpha$ -tocopheryl sebacate.

21. (Original) A water-soluble composition, comprising polyoxyethanyl- $\alpha$ -tocopheryl sebacate and  $\alpha$ -tocopheryl acetate, formulated in a ratio of 2:1 to 5.5:1 w/w.

22. (Original) A composition according to Claim 21, comprising PCS-400 and  $\alpha$ -tocopheryl acetate, formulated in a ratio of PCS-400 to  $\alpha$ -tocopheryl acetate of 2:1 to 4.5:1 w/w.

23. (Original) A composition according to Claim 21, comprising PCS-600 and  $\alpha$ -tocopheryl acetate, formulated in a ratio of PCS-600 to  $\alpha$ -tocopheryl acetate of 5.5:1 w/w.

24. (Original) A water-soluble composition comprising a bioactive lipophilic compound and a solubilizing agent of the general formula



wherein:  $p$  is 1 or 2,

$m$  is 0 or 1, and

$n$  is an integer in the range  $0 \leq n \leq 18$

X is a residue of a hydrophobic moiety selected from the group consisting of cholesterol, 7-dehydrocholesterol, campesterol, sitosterol, ergosterol, stigmasterol, and  $\alpha$ -,  $\beta$ -,  $\gamma$ -, and  $\Delta$ -tocopherols and derivatives thereof, Y is a residue of a hydrophilic moiety, selected from the group consisting of polyalcohols, polyethers, polyanions, polycations, polyphosphoric acids, polyamines, polysaccharides, polyhydroxy compounds, polylysines and derivatives thereof, provided that:

when p and m are equal to 1 and the hydrophobic moiety is (+)- $\alpha$ -tocopherol, n is not equal to 2, and when the hydrophobic moiety is campesterol, sitosterol or stigmasterol, n is greater than 6.

25. (Original) A composition according to Claim 24, wherein the bioactive lipophilic compound is selected from the group consisting of ubiquinones, ubiquinols, vitamins, provitamins and mixtures thereof, provided that:

when the bioactive lipophilic compound is ubiquinone and the hydrophobic moiety is cholesterol, n is not equal to 8.

26. (Original) A composition according to Claim 24, where the hydrophilic moiety is PEG-400.

27. (Withdrawn) A method for making polyoxyethanyl tocotrienyl sebacate, comprising:

dissolving a tocotrienol in an organic solvent,  
reacting the solution with a compound of the general formula Z-OC-(CH<sub>2</sub>)<sub>n</sub>-CO-Z, where Z is a leaving group, and  
reacting with a compound of the general formula HO-Y-OR, wherein R is hydrogen or an alkyl, and n is from 0 to 18.